



## Description

The level regulator type NR 85 for tank insert is a solenoid switch operating without contact with the function of monitoring and regulating liquid levels and temperatures.

The switching tube contains bistable protective gas contacts. They may be fixed or alternatively mounted as an adjustable contact cartridge on a perforated strip. For fixed contacts, the contact intervals and their functions must be given. Plain contact cartridges can be subsequently adjusted for height. The function of make or break can then be altered by turning the cartridge through 180° degrees.

The permanent magnet built into the float switches the contacts when the level changes. The switching difference (hysteresis) is 4 mm. For temperature monitoring and regulation, thermal elements such as Pt100, Sensors and thermal contacts can be additionally incorporated.

The level controller is maintenance - free when nondeposit media are used.

For inductive loads, a protective circuit must be provided (free-wheeling diode/RC element).

The device must only be installed by specialists.

Can also be supplied in stainless steel on request.

## Technical data

Switching tube	Brass, Ø 16 max.L = 1000mm Brass, Ø 18 / Ø 20, max.L = 2000mm
Connection flange	Al (10), PA (6), with flat seal
Nominal pressure	1 bar max., float hard-PU SR40 / SR45 10 bar max., float stainless steel VR50
Temperature of medium	100°C max.
Level contacts	bistable make/break/changeover optional fixed or adjustable
Plug socket connector	DIN 43650 or DIN 43651 or 6 pol.+ PE IP65 or serie M12 IP68
Switching current	Contact type 01+03 0,5A max. Contact type 02+04 1A max.
Switching potential	Contact type 01+03 10 W/VA max. 230V AC max. Contact type 02+04 60 W/VA max. 250V AC/DC max.
Thermal elements	Pt100, sensor, thermal contact
Thermal contact	Hysteresis 1K Calibration ± 3°C max. 5 can be incorporated vertical ± 30°
Number of functions	Sheet TR-GB-507
Mounting position	
*Thermal contact	

